

L 52669-65

ACCESSION NR: AP5009899

output of the phenol method, and consumed less energy. Because other processes differed little economically and technically from the furfural process, their choice was also determined by the requirements of distillate oils. The adsorption purification method produced oils of the best color and coking capacity, and increased their output by 15%. The authors recommend that this process be further developed, that the production of synthetic adsorbents be increased and that the method of secondary contact purification be discontinued. The application of the deep hydrogenation at 50-70 atm pressure is also recommended for secondary purification of distillate and residual oils, especially at those plants with access to large quantities of hydrogen. The latter method is economical, improves oil quality, and can be applied to any type of crude and to the secondary products. Comparative production figures of oils purified by the various methods are tabulated. Orig. art. has 3 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: FP

NO REF SOV: 000

OTHER: 000

Card 2/2
JLC

CHIROCHENKO, P.A.

Using peat crumbs and hemp tow in the storage of potatoes.
Kons. i ov. prom. 14 no.10:27-28 0 '59. (MIRA 12:12)

1. Starodubskiy ovoshchesushil'nyy kombinat.
(Potatoes--Storage)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308710013-8

Cherkov.

CHERKOV, M. (Khar'kov).

~~Visiting Kharkov textile workers. Prom. koop. 12 no.1;34 Ja '58.
(Kharkov--Textile industry) (MIRA 11;1)~~

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308710013-8"

DAYEN, Leonid Abramovich; POZNYAK, Pavel Ivanovich; CHERP, Mark
Maksovich; POVOLOTSKIY, A.I.[Povolots'kyi, A.I.], red.;
LEVCHENKO, O.K., tekhn. red.

[Kiev; a guidetook and manual] Kyiv; putivnyk-dovidnyk.
Kyiv, Derzh.vyd.-vo polit.lit-ry URSR, 1963. 187 p.
(MIRA 17:3)

DAYEN, Leonid Abramovich; POZNYAK, Pavel Ivanovich; ~~CHERP, Mark~~
~~Maksovich~~; PGOVOLOTSKIY, A.I.[Povolots'kyi, A.I.], red.
[Kiev; reference guidebook] Kyiv; putivnyk-dovidnyk.
Kyiv, Polityydav Ukrainsky, 1965. 187 p.
(MIRA 19:1)

CHERPAK, A.G.

New techniques in the ceramic industry. Stek.i ker.12 no.7:20-21
Jl '55.
(MLRA 8:10)

1. Glavnyy inzhener Glavstroykeramiki
(Ceramic industries)

CHERPAK AG.
VOL'FSO^N, Il'ya Grigor'yevich; ZALGALLER, G.M., inzh., red.; POLIKARPOV, V.P.,
nauchnyy red.; *CHERPAK*, A.G., nauchnyy red.; PRUDNIKOVA, M.N., red.;
GOMOZOVA, N.A., red.; PANOV^A, L.Ya., tekhn. red.

[Sanitary engineering equipment; a catalog] Sanitarno-tekhnicheskoe
oborudovanie; katalog. Pod red. G.M. Zalgallers [Moskva] Gos. izd-vo
lit-ry po stroit. materialam, 1957. 201 p.
(MIRA 11:?)

1. Russia(1923- U.S.S.R.) Ministerstvo promyshlennosti
stroitel'nykh materialov.
(Plumbing—Equipment and supplies)

CHERPAK, A.G., inzh.; NAMYSHANSKIY, I.P., inzh.

Standard plan of a plant for the production of keramzit. Stroi.
mat 8 no.10:10-12 0 '62. (MIRA 15:11)
(Keramzit)

REZNIKOV, I.N., kand. tekhn. nauk; CHERPAK, L.I., kand. tekhn. nauk;
KISELEV, N.A., inzh.

Producing pumice from waste slag of nickel smelting. Stroi. mat.
11 no.4:27-29 Ap '65. (MIRA 18:6)

VASIL'YEV, V.G.; VOROB'YEV, B.S.; DUDKO, N.A.; ZIL'BERMAN, V.I.; KLITOCHENKO,
I.F.; LITVINOV, V.R.; TKHORZHEVSKIY, S.A.; CHERPAK, S.I.

Present status of and prospects for the development of the production of natural gas in the eastern Ukrainian oil- and gas-bearing region. Gaz. prom. 10 no.4:1-6 '65.

(MIRA 18:5)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308710013-8

CHERPAK, S. Ye., LAPKIN, I. Yu. and CHIRVINSKAYA, M. V.

OTd. geol. 27, No.2, 1952 "Tectonic Schema of the Eastern Part of the Ukrainian SSR," Byul. MOIP

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308710013-8"

CHERPAK, S. Ye.

USER/ Geology - Salt strata

Card 1/1 Pub. 22 - 31/46

Authors : Bilyk, A. A.; Blank, M. I.; Vorobyev, B. S.; Lapkin, I. Yu.; Palets, L. S.;
and Cherpak, S. Ye.

Title : New data about the saliferous formation of Donets River Permian deposits

Periodical : Dok. AN SSSR 103/1, 113-115, Jul 1, 1955

Abstract : Geological data are presented on the salt-bearing strata found among the
Permian deposits of the Donets River basin. Twelve Russ. and USSR referen-
ces (1863-1949).

Institution :

Presented by : Academician N. M. Strakhov, January 25, 1955

CHEPARK-5-YE.

PAGE 1 BOOK INFORMATION

Sov/2602

Vsesoyuznyy nauchno-issledovatel'nyy geologicheskoyeodnochastnyy nauchnoy institut

Nerofizicheskiy nauchnyy otdel, serial 1 izdat. na territorii Ural'skoy oblasti na
vypayadnyy nauchnyy sushchestvuyayayoy novyyu VINITI, produksionnyy v. 6. L'vov
v maye 1977 g. (Problemy po Eksploatacii i Proizvodstvu naftы i gaza v L'vove
na territorii Ukrayiny. Raporty Prezidiuma nauchnoy komissii po Eksploatacii i Proizvodstvu
naftы i gaza na territorii Ukrayiny. Nauchnoy komissii po Geologicheskoy
Survey i po All-Union Petroleoum Scientific Research Institute for Geological
Survey, Gospochebidaia, 1975). 282 p. 1,000 copies printed.

Additional Sponsoring Agency: USSR. Nauchnoye geologicheskoye otdeleniye naftы.

Ed.: I. G. Baranov, V. V. Chashko, and A. A. Shurovskiy. Scientific Eds.:
S. N. Tsvetkov, and A. V. Savchenko; Tech Ed.: I. G. Sedov.PURPOSE: This book is intended for petroleum geologists and Ukrainian area
specialists.

CONTENTS: This book contains 27 reports originally read at a meeting of the
Nauchnoy komissii po naftы i gaza na territorii (All-Union Petroleum Scientific Research
Institute for Geological Survey), the VINITI (All-Union Scientific Research
Institute for Geological Survey), the Ukrayine, Ukrayinskiye Nauchnoye
institutes, and Ukrayine Nauchnoye i Tekhnicheskoye obshchestvo held in Lvov in May 1977.
The papers deal with the petroleum geology of the Dnieper-Dnestr Depression, the
Carpathians, Ciscarpathia, the southwestern fringe of the Russian Platform,
and the Northern Black Sea area. Particular attention is given to describing
the geological features of those regions most likely to bear oil,
article discuss oil production techniques and ways of increasing oil
output in deep wells. No generalities are mentioned. References accompany
individual articles.

Ed. Chashko, E. A. Methods and Results of Geological Prospecting for Oil
and Gas in the Western Regions of the Ukraine (1953-1956) 33Babits, I. I. Geological Results of Geophysical Surveys in Pred-
Volyn'ye (Ciscarpathia) and Within the Southwestern Edge of the
Russian Platform 46Melnichenko, O. A. The Sectional and Oil Possibilities in
the Northern Part of the Russian Platform 59Bilobokov, A. I. Basic Seismic Features of the Volyn'-
Podol'skaya Edge of the Russian Platform 69Vorotnikov, I. I. Fundamentals of the Geological Structure and
Geopressure Possibilities of the Southern Part of the Ciscarpathian
Depression 73Chashko, V. V. Main Tectonic Features of the Ukrainian and
Belarusian Carpathians and Ciscarpathia 95Sedov, I. P. Differentiating the Productive Series of the
Oilfield Deposits 106Shashik, V. A. Stratigraphic Differentiation and Correlation of
the Turonian Formation of the Eastern Carpathians 116Babits, I. I. Characteristic Features of the Geological Structure
of the Dnieper-Dnestr Depression and the Northern Edge of the
Platform 121Baranov, I. G., I. V. Klyuchevskiy, A. A. Matrosov, A. S. Mironov,
and V. A. Smirnov. Oil and Oil Possibilities of the Dnieper-Dnestr
Depression of the Northwestern Part of Dnieper-Dnestr Depression 136Baranov, A. A., and N. A. Shurovskiy. Oil and Gas
Possibilities in the Devonian Formation of the
Dnieper-Dnestr Depression of the Dnieper-Dnestr Area 150

BONDARCHUK, V.G., akademik, otv.red.; PORFIR'YEV, V.G., akademik, red.; KOZIN, Ya.D., doktor geol.-miner.nauk, red.; KAPTARENKO-CHERNOU-SOVA, O.K., doktor geol.-miner.nauk, red.; SHUL'GA, P.L., doktor geol.-miner.nauk; KLIMENKO, V.Ya., kand.geol.-miner.nauk, red.; MOLYAVKO, G.I., kand.geol.-miner.nauk, red.; KLITOCHENKO, I.F., red.; MUROMTSEV, A.S., red.; MUKHIN, A.V., red.; CHERPAC, S.Ye., red.; MANVELOVA, K.K., mledshchiy nauchnyy sotrudnik, red.; MEL'NIK, A.F., red.izd-va; MILEKHIN, I.D., tekhn.red.

[Geology, and oil and gas potentials of eastern regions in the Ukraine; proceedings of the conference on oil and gas potentials of the Ukraine] Geologicheskoe stroenie i neftegazonosnost' vostochnykh oblastei Ukrayiny; trudy nauchno-proizvodstvennogo soveshchaniia po probleme neftegazonosnosti Ukrayiny, 27 fevralia - 3 marta 1959 g. Kiev, 1959. 436 p. (MIRA 13:3)

1. Akademia nauk URSR, Kiev, Instytut geologichnykh nauk.
2. AN USSR (for Bondarchuk, Porfir'yev). 3. Glavnnyy geolog ob"yedineniya "Ukrneft'" (for Klitochenko). 4. Direktor Ukrainskogo otdeleniya Vsesoyuznogo nauchno-issledovatel'skogo geologo-razvedochnogo neftyanogo instituta (VNIGNI) (for Muromtsev). 5. Glavnnyy inzhener tresta "Ukrneftegeofizika" (for Mukhin). 6. Glavnnyy geolog tresta "Ukrkvostoknefturasvedka" (for Cherpak). 7. Institut geologicheskikh nauk AN USSR (for Manvelova).
(Ukraine--Petroleum geology) (Ukraine--Gas, Natural--Geology)

ARSIRIY, Yu.A.; BLANK, M.I.; BLIZNYUK, V.F.; GLUSHIKO, V.V.;
KLITOCHENKO, I.F.; LITVINOV, V.R.; PALIY, A.M.; PAN'KIV, A.M.;
PISTRAK, R.M.; CHERPAK, S.Ye.; CHIRVINSKAYA, M.V.; YARICHENKO, L.M.

Plan for the areal study of the Dnieper-Donets Lowland. Trudy
VNIIGAZ no.14:3-17 '62. (MIRA 15:5)

(Dnieper-Donets Lowland---Petroleum geology)
(Dnieper-Donets Lowland---Gas, Natural---Geology)

BLANK, M.I.; PAVLENKO, P.T.; PALETS, I.S.; SINICHKA, A.M.; CHERPAK, S.Ye.

Certain regularities in the distribution of oil and gas pools
in the Dnieper-Donets Lowland. Geol. nefti i gaza 8 no.4;
9-16 Ap '64. (MIRA 17:6)

1. Trest Poltavneftegazrazvedka.

ZAV'YALOV, V.M.; MUROMTSEV, A.S.; PALIV, A.M.; CHEKALYUK, E.B.; CHERPAK, S.Ye.

Possibilities for increasing the efficiency of prospecting in the eastern part of the Ukrainian oil- and gas-bearing basin. Geol. nefti i gaza 9 no.2:20-24 F '65.

1. IGIGGI AN UkrSSR, Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov UkrSSR, Ukrainskiy nauchno-issledovatel'skiy geologorazvedochnyy institut i trest Poltavaneftegazrazvedka. (MIRA 18:4)

ZAV'YALOV, V.M.; MUROMTSEV, A.S.; CHERPAK, S.Ye.

Means for increasing the efficiency of oil and gas
prospecting operations in the Dnieper-Donets Lowland.
Trudy UkrNIGRI no.7:9-16 '63.

(MIRA 19:1)

PALETS, L.S. [deceased]; PAVLENKO, P.T.; CHERPAK, S.Ye.

Characteristics of the development of structural elements in the
Glinsk- Rozbyshevo swell and regularities in the spatial distribu-
tion of oil and gas pools. Geol. nefti i gaza § no.6:8-12 Je '65.
(MIRA 18:8)

1. Poltavaneftegazrazvedka.

24(1)

AUTHORS: Rivin, A.N. and Cherpak, V.A.

SOV/46-5-3-11/32

TITLE:

A Method of Measurement and Calculation of the Diffraction Coefficient of Microphones (Metod izmereniya i rascheta koefitsienta difraktsii mikrofonov)

PERIODICAL Akusticheskiy zhurnal, 1959, Vol 5, Nr 3, pp 345-350 (USSR)

ABSTRACT: A new method of experimental determination of the diffraction coefficient is described. This method is based on measurement of the ratio of potentials produced at the microphone output by a radiator similar to the microphone working (a) in a free field and (b) in a small closed chamber. The diffraction coefficient is defined as the ratio of the field and pressure sensitivities of the microphone. Two microphones of the same type are used: one serves as the radiator and the other as a receiver. Both the radiator and the receiver are first placed in a free field at a distance d apart and then in a small closed chamber of volume V. The ratio of the potentials recorded in the first and second cases at the microphone output (E_f/E_p) is determined. This ratio is given by:

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$$\frac{E_f}{E_p} = \frac{(4\pi c^2 i_p^0 D^0)}{(d r^2 i_p^0)}, \quad (2)$$

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A Method of Measurement and Calculation of the Diffraction Coefficient of Microphones

where c is the velocity of sound, f is its frequency, i_f^0 and i_p^0 are the currents in the radiator circuit in the free field and closed-chamber cases respectively, D' and D^0 are the diffraction coefficients of the two microphones used as the radiator and receiver respectively. When the radiator and the receiver have exactly the same shape and dimensions their diffraction coefficients are equal, i.e. $D' = D^0 = D$. If, furthermore, the currents i_f^0 and i_p^0 are made the same, we have the following relationship for the diffraction coefficient:

$$D = c/f \sqrt{(dE_f/\pi V E_p)}. \quad (3)$$

The effect of reflected waves on the experimental results can be reduced by using microphones of small dimensions which makes it possible to decrease the distance between the radiator and the receiver. The authors describe also a method of theoretical calculation of the diffraction coefficient, which takes into account the non-uniform distribution of acoustic pressure across the microphone membrane and allows for the different diameters of the membrane and the microphone case. The measurement and calculation methods referred to above were used to determine the diffraction coefficients of condenser microphones type MIK-5 and type 4111 made by Brüel and Kjaer. The external diameter of

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SOV/46-5-3-11/32

A Method of Measurement and Calculation of the Diffraction Coefficient of Microphones

the MIK-5 microphone was 17.5 mm and its membrane was of 11.5 mm diameter fixed by means of a ring which formed a cavity of 1 mm depth in front of the membrane. The 4111 type of microphone has an external diameter of 36 mm and its membrane of 20 mm diameter had no cavity in front of it. Measurements were made in a "live" laboratory. The results of measurements are given in Figs 2 and 3 as the frequency dependences of the diffraction coefficients of the two microphones (the experimental points are given by dots and the calculated curves are continuous). Curve 2 in Fig 2 and curve 1 in Fig 3 represent the frequency dependences of the diffraction coefficients calculated using the method described by the authors. Good agreement between these two curves and experimental points was obtained. Figs 2 and 3 show also the diffraction coefficient of the MIK-5 microphone (curve 3 in Fig 2) deduced from separate measurements of field and pressure sensitivities (Ref 3) and the manufacturer's data (curve 2

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SOV/46-5-3-11/32

A Method of Measurement and Calculation of the Diffraction Coefficient of Microphones

in Fig 3) for the 4111 microphone. These two curves depart considerably from the experimental results showing large errors that are possible when insufficiently precise methods of measurement and calculation of the diffraction coefficient are used. There are 3 figures and 15 references, 4 of which are Soviet, 2 translations from English into Russian, 7 English and 2 German.

ASSOCIATION:Vsescouznyy n.-i. institut fiziko-tehnicheskikh i radiotekhnicheskikh izmereniy, Moskovskaya obl. (All-Union Research Institute for Physico-Technical and Radio-Technical Measurements, Moskovskaya oblast)

SUBMITTED: November 22, 1958

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RIVIN, A. N., CHERPAK, V. A.

Reciprocity calibration of pressure microphones for sound
measurement. Akust. zhur. 6 no.2:252-260 '60.
(MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fiziko-
tekhnicheskikh i radiotekhnicheskikh iznereniy, Moskovskaya
oblast'.

(Microphone)

RIVIN, A.M.; PRONENKO, L.Z.; CHERPAK, V.A.

Metrological equipment for acoustical measurements at the
All-Union Scientific Research Institute of Physics and Radio
Engineering. Trudy inst. Kom. stand., mer. i izm. prib. no.61:
7-22 '62. (MIRA 16:4)

(Microphone) (Acoustical engineering)

CHERPAKOV, Viktor Aronovich, zhurnalist; RABINOVICH, M., red.;
SEMENOVA, O., tekhn. red.

["The Common Market," a new "Holy Alliance" of monopolies]
"Obshchii rynok" - novyi "sviashchennyi soiuz" monopolii.
Moskva, Gospolitizdat, 1963. 61 p. (MIRA 16:7)
(European Economic Community)

VEREIN, A., inzh.; CHERPAKOV, B., inzh.; ROZENFEL'D, L., inzh.

A plant of automatic factories. IUn.tekh. 6 no.3:38-43 Mr :62,
(Moscow—Machinery industry) (Assembly-line methods)
(MIRA 15:4)

CHERPAKOV, B.I.

The 3A555 ten-spindle drilling, boring, and screw-cutting
machine. Biul.tekh.-ekon.inform. no.7:22-23 '60.

(MIRA 13:7)

(Machine tools)

S/193/60/000/007/005/012
A005/A001

AUTHOR: Chernakov, B. I.

TITLE: Ten-Spindle Drilling-Boring-Screw-Cutting Machine of the 3A555-Make

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No. 7, pp.22-23

TEXT: The ten-spindle vertical drilling-boring and screw-cutting machine of the 3A555-make was constructed by the spetsial'noye konstruktorskoye byuro No. 1 po stankostroyeniyu Moskovskogo gorodskogo sovnarkhoza (Special Designing Bureau No. 1 for Machine-Building of the Moscow City Council of National Economy) and produced by the Stankostroitel'nyy zavod im. S. Ordzhonikidze (Machine Building Plant im. S. Ordzhonikidze) for the Plant "УРАЛЗИС" ("URALZIS"). The machine is provided for drilling, countersinking, boring, face-cutting, chamfering, and screw cutting in the die head of the reactive pole. - In the machine base are built in: the hydraulic six-position rotative support, the hydro-reservoir, the pump unit; on the vertical pillar, the non-automatic hydraulic power head with the headstock is set up. Six identical non-automatically centering prism devices for clamping two parts are arranged on the rotative-support section. The prisms are adjustable. The clamping is carried out by a mechanical key placed on the machine base. The

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Ten-Spindle Drilling-Boring-Screw-Cutting Machine of the 3A555-Make

tool is guided by bushings in the special jig plate. - The machine operation cycle starts with turning the support; then successively the quick-admission of the power head and the operation feed are automatically switched on. At the end of processing follow: endurance on the end stop, quick-removal of the head and its stopping in the initial position. The cycle is repeated after pushing one button. The six positions of the support are provided for: 1) sitting and removing the part; 2) drilling of 40-mm diameter aperture; 3) countersinking with 56 mm diameter and cutting the face with 73 mm diameter; 4) countersinking with 65 mm diameter and chamfering at 45° angle to the thread pitch depth; 5) boring for the thread with 66.2 mm diameter; 6) threading.

Technical machine characteristics:

Number of power heads	1	The machine is constructed
Number of spindles	10	by using 90% standard
Number of electromotors	4	units and parts.
Total power of the electromotors	28.5 kw	
Output at 100% loading	60 parts per hour	
Overall sizes (length x width x height)	2,800 x 1,640 x 3,590 mm	
Weight	15 t	
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S/193/60/000/011/012/022
A004/A001

AUTHOR: Cherpakov, B. I.

TITLE: The Models 3A802 and 3A803 Unit-Head Machine Tools

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No. 11,
pp. 34-36

TEXT: The multi-position machine Tool models 3A802 and 3A803 have been developed by the special design office No. 1 for machine tool designing of the Mosgorsovmarkhoz. In 1960 they were built from standardized and special units and components by the Stankostroitel'nyy zavod im. S. Ordzhonikidze (Machine Tool Plant im. S. Ordzhonikidze) for the Ul'yanovskiy avtomobil'nyy zavod (Ul'yanovsk Automobile Plant), where they are used for the machining of cases of gear-changing fork rods of the distributing box. The double-sided 29-spindle horizontal drilling, boring and threading model 3A802 machine is shown in Figure 1. It is intended for drilling, countersinking, boring, facing, reaming and threading operations. Figure 1.

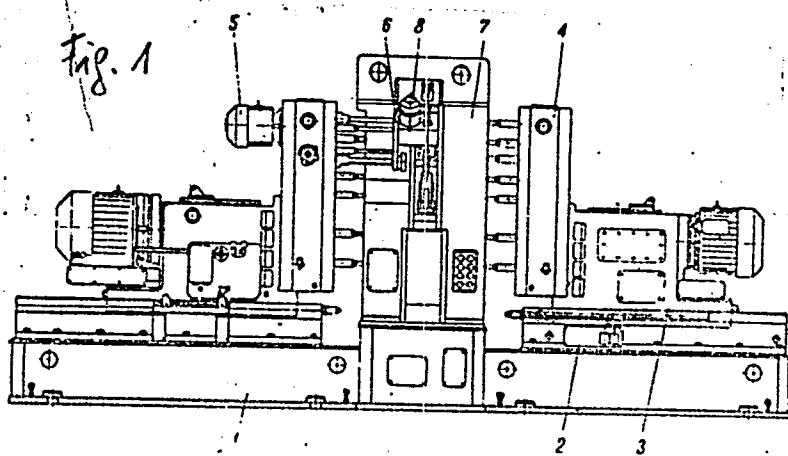
1 - bed; 2 - slides; 3 - power head; 4 - spindle box; 5 - electromotor of the threading spindles; 6 - plate jig; 7 - fixture; 8 - mechanical wrench.

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The Models 3A802 and 3A803 Unit-Head Machine Tools

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A004/A001

Figure 1:



The two hydraulic self-acting 3U4061 (3U4061) heads, traveling on slides are mounted on the welded bed. The spindle boxes, housing the tool spindles and geared transmissions, are mounted on the bodies of the power heads. The threading spindles are rotated by an additional flange-type electromotor located on the rear plate of the left spindle box. Copying nuts located on the plate jig control

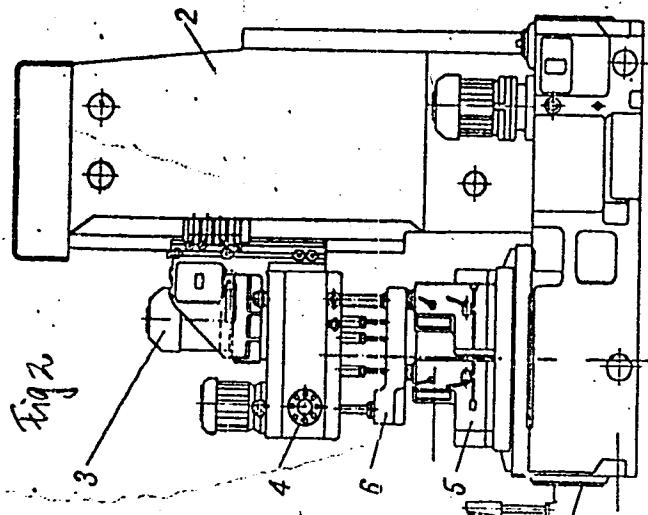
the tap feed. The components are placed on a dead prism and are fixed in angular direction with the aid of an adjustable screw. The 12-spindle vertical drilling

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The Models 3A802 and 3A803 Unit-Head Machine Tools

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A004/A001

Figure 2:



and threading 3A803 machine carries out drilling, reaming, countersinking, broaching and threading operations. The machine, shown in Figure 2, is composed of the bed, incorporating the six-position swivel table, hydraulic container and pump installation, supplying the feed cylinder of the power head and the clamping and vertical bed cylinders. Six fixtures of the same type are mounted on the table face plate. The components are placed on the machined flange faces and fixed by the holes machined on the preceding machine tool with the aid of an extensible indexing pin. Both machine tools operate in a semi-automatic cycle, the operator has only to load and

The Models 3A802 and 3A803 Unit-Head Machine Tool

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unload the workpieces.

Figure 2.

1 - base; 2 - vertical bed; 3 - power head; 4 - spindle box; 5 - fixture;
6 - plate jig.

The technical specifications of both machines are shown in the following table:

Показатели	Модель 3A802	Модель 3A803
1 Количество спиловых головок	2	1
2 Количество шпинделей	29	12
3 Усплое подачи, кг	8000	3500
4 Количество электродвигателей	5	3
5 Мощность электродвигателей, кет	16,8	8,3
6 Производительность станка в час, число деталей:		
a) при 70,5%-ной загрузке	—	30
b) при 90%-ной загрузке	30	—
7 Габаритные размеры, мм:		
a) длина	5115	2260
b) ширина	1250	1420
c) высота	2225	3205
8 Вес, т	13	8,6

1) number of power heads; 2)
number of spindles; 3) feed
stress in kg; 4) number of
electromotors; 5) power of
electromotors in kw; 6) output
per hour, number of components
a) at a 70.5% load, b) at a
90% load; 7) overall dimensions
a) length, b) width, c) height;
8) weight in tons.

Both machine tools are attended by
one operator. There are 2 figures
and 1 table.

Card 4/4

CHERPAKOV, B.I.

The 6S133 centerless grinding machine. Biul.tekh.-ekon.inform.
no.9:44-46 '61. (MIRA 14:9)
(Grinding machines)

CHERPAKOV, B.I.

The 6S136 centerless grinding machine. Biul.tekh.-ekon.inform.Gos.-nauch.-issl.inst.nauch. i tekhn.inform. no.8:32-34 '62. (MIRA 15:7)
(Grinding machines)

CHERPAKOV, B.I.

The 6S71 centerless circular-grinding machine. Biul.tekh.-ekon.
inform.Gos.nauch.-issl.inst.nauch. i tekhn.inform. 16 no.11:42-
44 '63. (MIRA 16:11)

FINKEL', Kh.Ya.; CHERPAKOV, B.I.; BABADZHANYAN, Z.S.

Automatic control of a centerless grinding machine. Stan.
i instr. 34 no.10:23-25 0 '63. (MIRA 16:11)

CHERPAKOV, B.I.; CHARNYY, R.I.

Automatic lines for manufacturing valves for automobile and
tractor engines. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.
nauch.i tekhn.inform. 17 no. 5:30-32 My '64. (MIRA 17:6)

CHERPAKOV, N. N., (Colonel of the Medical Service)

"Concerning Paragonimiasis"

Voyennno-Meditsinskiy Zhurnal, No. 5, 1961 PP. 80-84

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308710013-8

CHERPAKOV, N.N. (Moskva)

Diabetes insipidus. Probl.endok.i gorm. no.4:115-116 '62.
(MIRA 15:11)
(DIABETES)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308710013-8"

Cherpakov, P.V.

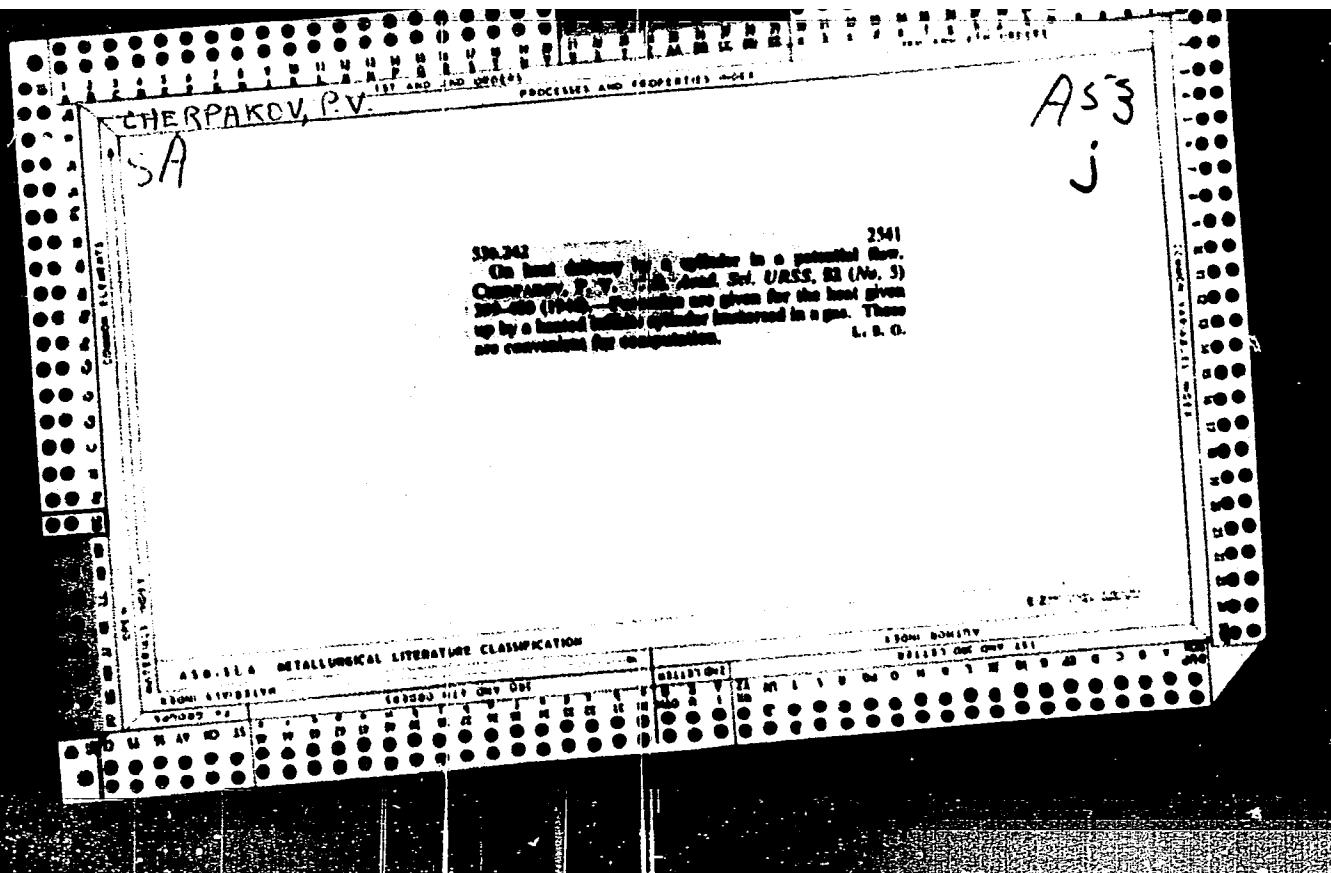
CHERPAKOV, P.V., prof.; ROGOZHIN, V.S., dots.; SVESHNIKOV, A.G., assistant

[Program in methods of mathematical physics for physics and
physicomechanics faculties of state universities] Programma
po metodam matematicheskoi fiziki dlia fizicheskikh i fiziko-
matematicheskikh fakul'tetov gosudarstvennykh universitetov.
[Kiev] Izd-vo Kievskogo gos. univ., 1956. 1 p. (MIRA 11:3)

1. Russia (1923- U.S.S.R.) Ministerstvo vysshego obrazovaniya.
(Mathematical physics--Study and teaching)

CHERPAKOV, P [v.]

"Concerning the Exchange of Heat in a Turbulent Current," Dokl. Ak. Nauk SSSR,
29, No. 4, 1940.



On the Periodic Solutions of the Equation
of Heat Conduction

SOV/140-59-2-26/30

$u_2 = \sum_{n=0}^{\infty} c_n e^{-\lambda_n a^2 t} v_n$, where v_n and λ_n are eigenfunctions and eigenvalues. If $\rho(t)$ is given by a Fourier series or a trigonometric polynomial, then there result periodic solutions. These are given explicitly for some cases.
There are 4 Soviet references.

ASSOCIATION: Voronezhskiy gosudarstvennyy universitet (Voronezh State University)

SUBMITTED: November 28, 1958

Card 2/2

CHERPAKOV, P. V.

"On The Singularity of Boundary Problem Solutions in the Theory
of Convection Heat Transfer."

Report submitted for the Conference On Heat and Mass Transfer, Minsk,
BSSR, June, 1961.

24.5200
S/170/62/005/004/015/016
B104/B102

AUTHOR: Cherpakov, P. V.

TITLE: Mathematical theory of normal thermal conditions

PERIODICAL: Inzhenerno-fizicheskiy zhurnal. v. 5, no. 4, 1962, 130-134

TEXT: As basis of the theory of normal thermal conditions it is assumed that the temperature of a body on heating or cooling depends exponentially on time: $t - u = A\tau \exp(-m\tau)$. This represents an approximate solution of a heat conduction problem and is used as first term of a Fourier series. In this way, fundamental relations between the dimension parameters of bodies of complex shape and the quantity m are obtained (G. M. Kondrat'yev, Regulyarnyy teplovoy rezhim, GTTI, 1954). The present paper shows that the most substantial relations of the normal thermal conditions are obtained from the exact solutions of an adequate heat conduction problem by the limiting process $\tau \rightarrow \infty$. τ represents the time. The author proceeds from the heat conduction equation

$$\frac{\partial u}{\partial \tau} = \alpha \Delta u + \frac{w}{cp}. \quad (9)$$

Card 1/3

S/170/62/005/004/015/016
B104/B102

Mathematical theory of normal ...

of a body containing heat sources. Solutions of these equations are written in the form

$$u = \sum_{l=0}^{\infty} \frac{b_l}{m_l} v_l - \sum_{l=0}^{\infty} \frac{b_l}{m_l} v_l e^{-m_l t}. \quad (10)$$

The coefficients b_j are determined by expanding the known function $w(x, y, z)$ into a series with respect to orthogonal functions. v_j :

$$w = c\rho \sum_{l=0}^{\infty} b_l v_l. \quad (11)$$

By means of the term

$$\sum_{l=0}^{\infty} \frac{b_l}{m_l} v_l = t, \quad (12) \quad \vartheta = t - u = \sum_{l=0}^{\infty} \frac{b_l}{m_l} v_l e^{-m_l t}. \quad (13)$$

Card 2/3

Mathematical theory of normal...

S/170/62/005/004/015/016
B104/B102

is obtained. Consequently, $u \rightarrow t$ with $\tau \rightarrow \infty$. That means that the unsteady temperature field becomes a steady field. Various criteria of the theory of normal thermal conditions are discussed. There are 10 Soviet references.

ASSOCIATION: Gosudarstvennyy universitet, g. Voronezh (State University Voronezh)

SUBMITTED: September 19, 1961

Card 3/3

CHERPAKOV, P.V.

Mathematical theory of regular thermal conditions. Inzh.-fiz.zhur.
5 no.4:130-134 Ap '62. (MIRA 15:4)

1. Gosudarstvennyy universitet, Voronezh.
(Thermodynamics)

40377
S/170/62/005/009/009/010
B104/B102

26.1630.

AUTHOR: Cherpakov, P. V.

TITLE: Thermal inertia of thermocouples

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 5, no. 9, 1962, 94 - 98

TEXT: Thermocouples are widely used for studies in the infrared region. Here the effect of thermal inertia on their measuring accuracy and the proper choice of their physical and geometrical constants are studied. The heat balance, for the case that the major part of the thermocouple surface is subject to radiation is

$$c_p q \frac{\partial u}{\partial t} = \lambda q \frac{\partial^2 u}{\partial x^2} - \alpha p u + \alpha p \delta(\theta^4 - u^4). \quad (3).$$

The model of the thermocouple was taken to be two rods soldered together on one side. Their temperature at the side of the galvanometer was assumed to be constant. Equations obtained were:

$$\frac{\partial u_i}{\partial t} = a_i^2 \frac{\partial^2 u_i}{\partial x^2} - h_i^2 u_i + k_i^2 (\theta^4 - u_i^4), \quad i = 1, 2, \quad (6)$$

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S/170/62/005/009/009/010
B104/B102

Thermal inertia of thermocouples

$$\text{wherein } a^2 = \frac{\lambda}{cp}, \quad h^2 = \frac{ap}{cpq}, \quad k^2 = \frac{ap\delta}{cpq} \quad (5).$$

The boundary and initial conditions are

$$u_1(x, 0) = u_{10}(x), \quad (7)$$

$$u_1(-l, t) = u_2(l, t) = 0, \quad (8)$$

$$(9)$$

$$u_1(0, t) = u_2(0, t), \quad (10).$$

$\lambda_1 \frac{\partial u_1}{\partial x} \Big|_{x=0} = \lambda_2 \frac{\partial u_2}{\partial x} \Big|_{x=0}$

The linear problem $\frac{\partial u}{\partial t} = a^2 \frac{\partial^2 u}{\partial x^2} - h^2 u + P$ is solved approximately with the aid of a series expansion. The nonlinear problem (6) is solved by expanding the solution in a series of even powers of the small parameter $k = h/a$ where h , a , and p are constants.

ASSOCIATION: Gosudarstvennyy universitet, g. Voronezh (State University, Voronezh)

SUBMITTED: December 13, 1961

Card 2/2

CHERPAKOV, P.V.

Method of eigenfunctions used in the theory of regular
heat conditions. Inzh.-fiz. zhur. 6 no.9:61-66 S '63.
(MIRA 16:8)

1. Gosudarstvennyy universitet, Voronezh.

CHERPAKOV, P. V.

"Similar temperature fields."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk,
4-12 May 1964.

VCronezh State Univ.

I 41778-65

ACCESSION NR: AP5005766

S/0170/65/008/001/0072/0078

AUTHOR: Cherpakov, P. V.; Shimko, N. G.

TITLE: On the regular thermal regime in a multi-layer medium

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 8, no. 1, 1965, 72-78

TOPIC TAGS: multilayer medium, thermal regime, regular thermal regime, interlayer contact

ABSTRACT: The regular thermal regime in a multi-layer medium is considered for both perfect and imperfect contact between the layers. Each layer is assumed to have a constant coefficient of temperature conductivity, and the general solution is made up of the individual solutions of the thermal conductivity equation for each layer separately, with suitable boundary conditions. The solution is obtained in the form of a series, in which the first terms is exponential and corresponds to the regular regime. The case of imperfect contact is considered first for two media with free heat exchange on the outer surfaces and imperfect contact at the separation boundary. An eigenfunction expansion is obtained for this case by an integral-transform method, and an expression is obtained for the time necessary

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ACCESSION NR: AP5005766

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sary for the regular regime to set in. Certain inequalities are derived between the boundary functions and the source functions. The possibility of employing experimental methods to investigate the regular regime in a multi-layer medium is discussed. Orig. arb. has: 25 formulas.

ASSOCIATION: Gosudarstvenny universitet, Voronezh (Voronezh State University)

SUBMITTED: 14Apr64

ENCL: 00

SUB CODE: TD

MR REP Sov: 006

OTHER: 001

ml
Card 2/2

✓ vacuum cond. resistivity and electrical cond.
✓ vacuum with 5 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 10 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 20 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 40 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 60 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 80 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 100 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 120 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 140 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 160 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 180 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 200 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 220 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 240 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 260 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 280 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 300 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 320 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 340 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 360 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 380 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 400 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 420 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 440 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 460 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 480 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 500 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 520 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 540 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 560 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 580 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 600 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 620 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 640 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 660 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 680 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 700 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 720 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 740 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 760 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 780 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 800 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 820 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 840 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 860 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 880 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 900 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 920 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 940 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 960 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 980 mm Hg L. A. M. T. N. A. T.
✓ vacuum with 1000 mm Hg L. A. M. T. N. A. T.

resistivity of alloys 4E2C

Noscow State U.

SOV/137-58-7-15632

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 245 (USSR)

AUTHOR: Cherpakov, V.R.

TITLE: Thermal and Electrical Conductivity of the Alloys of Bismuth with Tin (Teploprovodnost' i elektroprovodnost' splavov vismuta s olovom)

PERIODICAL: Vestn. Mosk. un-ta. Ser. matem., mekhan., astron., fiz., khimii, 1957, Nr 3, pp 129-134

ABSTRACT: The thermal conductivity λ and the electrical conductivity x of specimens of Bi-Sn alloy were investigated. It is established that λ and x of specimens containing up to 1% Sn have little relationship to the temperature. For specimens with other Sn contents the results of measurements of λ and x (at 20-500°C) coincide with the data in the literature. The isotherm of λ and x (at 100°) obtained is a curve characteristic for alloys with a limited solubility; the maximum solubility of Sn in Bi found constitutes ~ 1.5%. With an increase in temperature the Lorenz number $L = \lambda / x T$ attains the values (7-5). 10^{-8} for alloys with a low Sn content and $(3.5-2.5)10^{-8}$ watt·ohm/degree² for alloys with a high Sn contents (the

Card 1/2

ASSOCIATION → KAFDINA MOLEKULYARNA FIZIKA, MATERIKI I GOMMATEKSTOOL'

SoV/137-58-7-15632

Thermal and Electrical Conductivity (cont.)

theoretical value for $L_0 = 2.45 \cdot 10^{-8}$). It is assumed that the decrease of L with an increase in temperature at different rates for different specimens is related to a decrease in lattice conductivity. Experiment corroborates the following relationship: $\lambda_{\text{observed}} / x T = \lambda_w / x T + \lambda_{\text{lattice}} / x T$.

By means of calculations it is established that λ_w increases linearly with temperature in alloys low in Sn, and that $\lambda_w \approx \lambda_{\text{lattice}}$ and is almost

independent of the temperature in specimens of approximately equal Sn and Bi contents; it decreases slowly in alloys with a high Sn concentration.

λ_{lattice} is almost the same in all alloys; the maximum lies in the range of low Sn contents. The thermo-e. m. f. (relative to Cu) is high in alloys with a low Sn concentration; in the alloy Bi + 3% Sn it is close to zero. Results of the measurement of the Hall coefficient R of a Bi + 2% Pb alloy in a magnetic field of ~3000 oersted are quoted.

1. Bismuth alloys--Thermodynamic properties 2. Bismuth alloys
--Electrical properties

I. S.

Card 2/2

CHERPAKOV, V. P., Candidate Phys-Math Sci (diss) -- "Investigation of the temperature dependence of thermal conductivity and electrical conductivity of alloys of the systems bismuth-tin and bismuth-cadmium". Kuybyshev, 1959. 12 pp (Min Educ RSFSR, Kuybyshev State Pedagogical Inst im V. V. Kuybyshev), 150 copies (KL, No 25, 1959, 127)

S/058/63/000/001/009/120
A062/A101

AUTHOR: Cherpakov, V. P.

TITLE: Some problems of methods for measuring thermal conductivity in the installation designed by V. Ye. Mikryukov

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 20, abstract 1 A212
("Uch. zap. Velikoluksk. gos. ped. in-t", 1961, no. 16, 17 - 24)

TEXT: The installation designed by V. Ye. Mikryukov is now being largely used for measuring heat conductivity of metals at 20 - 700°C. The article discusses some problems of the experiment methods; a quantitative evaluation is carried out on the role of the heat losses from the sides of the sample, and for their compensation a condition is derived which is somewhat different from the Jaeger and Dusselhorst condition; the average temperature of the sample is evaluated; the effect of the asymmetry of the temperature field of the sample is examined.

[Abstracter's note: Complete translation)

Card 1/1

CHERPAKOV, V.P.

Measurement of the heat conductivity of metals. Uch. zap.
Velikoluk. gos. ped. inst. no.16:97-100 '61. (MIRA 16:7)

(Heat--Conduction)

CHEPAKOV, V.P.

Methodology of heat conductivity measurements by V.E. Mikriukov's
apparatus. Uch. zap. Velikoluk. gos. ped. inst. no.16:17-24 '61.
(MIRA 16:7)

(Heat—Conduction)

CHERPAKOV, V.P.; TIKHONOV, B.A.

Two-cycle curriculum for the students' workshops at the Velikiye
Luki Pedagogical Institute. Uch. zap. Velikoluk. gos. ped. inst.
no.16:58-61 '61. (MIRA 16:7)

(Manual training)

COUNTRY : USSR
CATEGORY : Cultivated Plants. Cereals. X

ABS. JOUR. : RZhBiol., №.14, 1958, №. 63348

AUTHOR : Cherpakova, N. V.
INST. : Voronezh State University
TITLE : On the Organic Structure of Male Inflorescences and Flowers
in Corn.

ORIG. PUB. : Byul. O-va yestestvoispyt. pri Voronezhsk. un-tse, 1956,
10, 51-55

ABSTRACT : Description of the formation of male inflorescence of the
tassels, inflorescence of the ears and of the flowers in
corn variety Dnepropetrovskiy 23 mestnyy used in Voronezhsk
oblast' as the pollinator of the variety Voronezhskaya 76.
The flowering of the tassel begins, according to author's
observations, from the tip of the center ear starting 5-7
cm below. The lateral ears begin to flower on the second
day. Out of 2 ears, the sessile one begins to flower first,
and on the ear the upper blossom flowers first. The se-
quence of flowering is connected with the different organic

Card: 1/2

41

COUNTRY	:	USSR
CATEGORY	:	Cultivated Plants. Cereals.
ADM. ACQ'D.	:	PZhBiol., No.14, 1958, No. 63348
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT	:	structure of flowers on one ear. The narrow, short lower flower scales with one vein, the flat (not keeled) upper scales and the larger anthers of the upper flowers explain their earlier opening. Characteristic of the lower flowers are larger lower flower scales with two veins and the two-keel upper scales for the parting of which and freeing the anthers more "powerful" devices are necessary - lodicules. The presence of "deformed" forms of lodicules bearing resemblance to scales testifies to their nature as leaves. --- T. I. Shapiro
Card:	2/2	

GOLITSIN, S.V.; CHERPAKOVA, N.V.

Using anatomy in diagnosing relict ferns. Bot. zhur. 41 no. 6:861-863
Ja '56. (MIRA 9:10)

1.Veronezhskiy gosudarstvennyy universitet.
(Yelets District---Ferns)

CHERPAKOVA N.V.

Anatomical differences in the axis of the spike of two fodder
wheatgrasses (*Agropyrum fibrosum* and *A. tenerum*). Trudy VGU
no. 3:73-75 '58. (MIRA 13:8)

(Wheatgrass)

CHERPAKOVA, N. V.

Study of seeds of new fodder wheatgrasses and the weeds which
infest them. Trudy VOJ 56.no.1:99-108 '59. (NIDA 13:8)
(Wheatgrass) (Weeds)

GOLITSYN, S.V.; CHERPAKOVA, N.V.

Koeleria Talievii Lavr. from chalk outcrops of the Central Russian
Upland. Bot. mat. Gerb. 21:60-66 '61. (MIRA 14:10)
(Donets Valley--Koeleria)
(Don Valley--Koeleria)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308710013-8

CHERPAKOV, A. I.

Vrednye nasekomye polezashchitnykh lesnykh polos [Injurious insects of the shelterbelts]. Novosibirsk, 1952. 128 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 5, August 1953

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308710013-8"

L 10146-63

EWT(d)/BDS—AFFTC/ASD/APCC—Pg-4/Pk-4/P1-4/

Pn-4/Po-4/Pq-4—BC

ACCESSION NR: AP3000890

S/0179/63/000/002/0136/0137

AUTHOR: Baleyeva, I. A.; Cherpasov, V. A. (Moscow)

78

TITLE: On one method for the determination of the initial deviation of a
gyroscopic compass.SOURCE: AN SSSR. Izv. Otd. tekhn. nauk. Mekhanika i mashinostroyeniye, no. 2,
1963, 136-137TOPIC TAGS: gyrocompas, initial deviation, true meridian reading, gyrocompass
oscillation.ABSTRACT: This theoretical paper is based on the premise that an adequately
exact determination of the true meridian by means of a gyrocompass requires
that the inherent oscillations of the instrument be eliminated from its readings.
The paper adduces a method for the determination of the free oscillations of the
instrument based on Ya. N. Roytenberg's indirect method (PMM, v.25, no.3, 1961)
for the determination of the initial deviations of control systems in which the
initial value of all phase coordinates of the system is determined by a

Card 1/2

L 10146-63
ACCESSION NR: AP3000890

measurement of the increments of one of several coordinates, and wherein a knowledge of the position of the reference origin of a measured coordinate is not required. The use of such an indirect method for the determination of the initial values of all generalized coordinates in a gyrocompass is of interest per se, since the majority of the coordinates of a gyrocompass are not susceptible to measurements and the position of the reference system is unknown. The equations of the precessional motion of a gyrocompass are formulated, and an expression is found for the deviation of the gyrocompass at a given moment from the true meridian. An expression is then derived for the determination of the position of the true meridian with the elimination of said deviation. A numerical example is worked out for a typical gyrocompass. There are 11 numbered equations, 1 figure, and 1 table.

ASSOCIATION: none

SUBMITTED: 07Dec62 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: CG,MM,MD NR REF Sov: 002 OTHER: 000

df/gck
Card 2/2

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308710013-8

CHERPENNIKOV, A.V.

✓ 1933. HANDBOOK FOR TESTING AND ANALYSIS OF NATURAL GASES. (RUKOVODSTVO
FV PO OPRASOVANIYU I ANALIZU PREDSTVY GAZOV). Cherpennikov, A.A. (Moscow:
Gosgizdat, 1951, 120pp.). rev. in Zh. anal. Khim., 3, anal. Chem., Moscow,
1953, vol. 8, 63, 64).

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000308710013-8"

~~CHERPINSKIY, N.V. (Velikiye Mosty L'vovskoy oblasti).~~

Methods for solving problems on physics. Mat.v shkole no.1:43-44 Ja-Y
'57. (MLRA 10:2)
(Physics--Problems, exercises, etc.)

CHERPNIN, V.K.

Composition and genesis of Ursk ore deposits in the Salair Ridge.
Izv. TPI 90:56-68 '58.

(MIRA 12:2)

1. Predstavleno professorom doktorom F.N. Shakhovym.
(Salair Ridge--Ore deposits)

SOKOLOV, S.D., kand.tekhn.nauk; Prinimali uchastiye: GLUKHOV, I.G.;
CHERPUNAY, A.V.

Burnout of the overhead conductor by an open electric arc. Vest.
TSNII MPS 21 no.3:11-15 '62. (MIRA 15:5)
(Electric lines—Overhead)

CHERSKIY, I. D.

Problem of Traces of Ancient Glaciation in Eastern Siberia. Izv. Vost-Sib
Otd. Russk. geogr. Obshch. Vol. 12, No. 4-5, 1882

So: Trudy Arkhicheskogo Nauchno-Issledovatel'skogo Instituta, GUSMP, Council of
Ministers, Vol. 201, 1948

CHERKIIY, I. D.

Description of a collection of post-tertiary period mammalia collected by members
of the Novosibirsk expedition. Zap. Akad Nauk Vol. 65, appendix 1, 1891.

So: Trudy Arkticheskogo Nauchno-Issledovatel'skogo Instituta, GUSMP, Council of
Ministers, Vol. 201, 1948

CHERSKIY, N. V., Engineer

"Constructions of Gas Wells." Sub 30 Jun 51, Moscow Order of the Labor Red
Banner Petroleum Inst imeni Academician I. M. Gubkin

Dissertations presented for science and engineering degrees in
Moscow during 1951.

SO: Sum. No. 480, 9 May 55

CHERSKIY, N.V.

Separation of pools, casing and cementing of gas wells. Gaz.prom.
no.4:3-5 Ap '56. (MIRA 10:1)
(Gas wells)

KOZLOV, A.L.; SAVCHENKO, V.P.; CHERSKIY, N.V.

Possibilities of speeding up and lowering the cost of industrial
exploration of gas fields by means of experimental exploitation.
Gaz.prom. 4 no.1:4-10 Ja '59. (MIRA 12:1)
(Gas, Natural)

CHERESKIY, N.V., kandidat tekhnicheskikh nauk.

Results and tasks of scientific studies in the Yakut A.S.S.R.;
session of the Yakut branch of the Academy of Sciences of the
U.S.S.R. Vest. AN SSSR 25 no.8:102-104 Ag '55. (MLRA 9:1)
(Yakutia) (Research)

CHERSKIY, Nikolay Vasil'yevich; BABLYUK, B.T., redaktor; OKHLOPKOV, K.A.,
tekhnicheskiy redaktor

[In Yakutia's remote past] V glubiny proshlogo Iakutii. Iakutsk,
Iakutskoe knishnoe izd-vo, 1956. 57 p.
(MLRA 10:8)
(Yakutia--Paleontology)

Cherskiy, N.V.

Category: USSR/General Division. Congresses. Conventions. Conferences. A-4

Abs Jour: Referat Zh.-Biol., No 9, 10 May 1957, 34925

Author : Cherskiy, N.V.

Inst : not given

Title : The Tasks of Scientific Research in the Yakutian ASSR (The Session
of the Yakut Branch of the Academy of Sciences of the USSR)

Orig Pub: Vestn. AN SSSR, 1956, No 7, 87-89

Abstract: No abstract.

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PHASE I BOOK EXPLOITATION

905

Cherskiy, Nikoley Vasil'yevich

Bogatstva nadr Yakutii (Mineral Wealth of Yakutia) Yakutsk, Yakutskoye knizhnoye izd-vo, 1957. 163 p. 3,000 copies printed.

Ed.: Mityushkin, V. V.; Publishing Supervisor: Ignat'yev, I. P.; Tech. Ed.: Okhlopkov, K. A.

PURPOSE: The book is intended for geographers, geologists, and the general reader.

COVERAGE: Although written for a non-specialist, the book is nevertheless a thorough scientific survey of the mineral wealth in Yakutskaya ASSR. The book covers also the subject of geological history of the area, including a summary of the current geological prospecting methods. [In discussing these methods no mention is made of the peculiar conditions of permafrost]. The metallogenic plateau between the Lena and the Indigirka Rivers is described in considerable detail, and so is the diamond-bearing region west of the Lena. Gold, however, is still considered the main asset of the Yakut Republic. The first chapter contains also a brief study of fossils of past geological ages. There are

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30 Soviet references, 24 photographs (of which 11 refer to local industries), and 8 maps.

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Survey of Geological History of Yakutiya	13
Mineral Deposits. Origin and Exploration	56
Coal	70
Oil and gas	78
Iron ore	93
Gold and platinum	100
Diamonds	111
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Rare metals (semi-conductors). disseminated ore [Beryllium, gallium, germanium, selenium, columbium and tantalum, candium, indium, bismuth]	129
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Mica and crystal deposits

135

Mineral building materials

139

[Limestone and dolomites, gypsum, clays, sands and gravels,
eruptive building materials, scoria (pyroclastic deposits)]

150

Other mineral deposits

[Rock salt, iceland spar, cobalt, molybdenum, oil shales, corundum,
titanium, boron, arsenic, sulphur, antimony, other-bearing deposits,
salt peter, copper, peat, amber]

Conclusion

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12-8-56

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